

09/58/594

L Number	Hits	Search Text	DB	Time stamp
1	32	kubota-teruo.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/04/25 09:55
2	34	takaya-hitoshi.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/04/25 09:56
3	680	yamashita-hiroyuki.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/04/25 09:57
4	11	detergent same particle adj growth	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/04/25 10:03
5	12	510/\$.ccls. and particle adj growth	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/04/25 10:07
6	19	agitation adj3 impeller same paddle	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/04/25 10:09
7	214	510/\$.ccls. and mix\$3 same paddle	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/04/25 12:03
8	33	(spray adj1 dried or base) same (absorb\$ or absorption or adsorb\$3 or spray\$3) near5 (nonionic or eo or neodol or ethoxy\$5 or alkoxy\$5) same (particle or average or mean) adj3 size same bulk adj1 densit\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/04/25 13:01
9	25	(spray adj1 dried or base) same (absorb\$ or absorption or adsorb\$3 or spray\$3) near5 (nonionic or eo or neodol or ethoxy\$5 or alkoxy\$5) same (particle or average or mean) adj3 size same bulk adj1 densit\$3 same (dust\$3 or coat\$3 or spray\$3) same (fine or powder or zeolite or silica)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/04/25 13:10
10	0	mix\$ same 3impeller same paddle same detergent	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/04/25 13:15
11	6	impeller same (paddle or ribbon or screw) same detergent	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/04/25 13:17

	U	1	Document ID	Issue Date	Pages	Title	Current OR
1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 20020155977 A1	20021024	32	Detergent particles	510/446
2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 6534474 B1	20030318		Surfactant composition	510/536
3	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 4871467 A	19891003		Non-sedimenting liquid detergent compositions resistant to shear	510/325
4	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 4659497 A	19870421		Liquid detergent compositions	510/418
5	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 4515704 A	19850507		Pourable non-sedimenting aqueous based detergent composition having an organic lamellar structural component	510/418
6	<input checked="" type="checkbox"/>	<input type="checkbox"/>	JP 2000336398 A	20001205		PRODUCTION OF DETERGENT PARTICLES	
7	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EP 1104804 A1	20010606		METHOD FOR PRODUCING SINGLE NUCLEUS DETERGENT PARTICLES	
8	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EP 1041139 A1	20001004		PROCESS FOR PRODUCING DETERGENT PARTICLES	
9	<input checked="" type="checkbox"/>	<input type="checkbox"/>	WO 200023560 A	20000427		Simple and efficient process for producing detergent particles comprises mixing base granules and a surfactant composition, and mixing the obtained mixture with a fine powder	
10	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 3865754 A	19750211		Crystallisation seed-contg detergent compsn - also contains aluminate and precipitant for free metal ions	
11	<input checked="" type="checkbox"/>	<input type="checkbox"/>	JP 48061616 A	N/A		Emulsion for injection prodn - having high oxygen carrying ability	

	Current XRef	Retrieval Classif	Inventor	S	C	P	2	3	4	5
1			Kubota, Teruo et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	510/224; 510/351; 510/356; 510/357; 510/446; 510/475; 510/492		Okada, Kyoko et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	510/337; 510/340; 510/341; 510/418		Akred, Brian J. et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	510/320; 510/325; 510/340; 510/424; 510/428; 510/429; 510/430		Akred, Brian J. et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5	510/320; 510/325; 510/340		Akred, Brian J. et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6			KUBOTA, TERUO et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7			KUBOTA, TERUO et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8			KUBOTA, TERUO et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9			KUBOTA, T et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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1	US 20020155977	<input type="checkbox"/>
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3		<input type="checkbox"/>
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Date: 04/25/2003

Time: 13:01

	U	1	Document ID	Issue Date	Pages	Title	Current OR
1	<input type="checkbox"/>	<input type="checkbox"/>	US 5100510 A	19920331	11	Apparatus for manufacturing high bulk density particulate fabric softening synthetic anionic organic detergent compositions	159/6.3
2	<input type="checkbox"/>	<input type="checkbox"/>	US 5080820 A	19920114	10	Spray dried base beads for detergent compositions containing zeolite, bentonite and polyphosphate	510/443
3	<input type="checkbox"/>	<input type="checkbox"/>	US 5024778 A	19910618	9	Spray dried base beads for detergent compositions containing zeolite, bentonite and polyphosphate	510/349
4	<input type="checkbox"/>	<input type="checkbox"/>	US 4894117 A	19900116	11	Process for manufacturing high bulk density particulate fabric softening synthetic anionic organic detergent compositions	159/49
5	<input type="checkbox"/>	<input type="checkbox"/>	US 4853259 A	19890801	7	Process for manufacturing particulate built nonionic synthetic organic detergent composition comprising polyacetal carboxylate and carbonate and bicarbonate builders	510/441

	Current XRef	Retrieval Classif	Inventor	S	C	P	2	3	4	5
1	159/11.2; 159/13.4; 159/16.1; 159/9.2; 209/11; 209/3; 34/136; 34/60; 366/144; 366/24		Bianchi, Antonio et al.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	252/179; 510/323; 510/392; 510/438; 510/532		Grecsek, John J.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	252/179; 510/323; 510/443; 510/532; 510/533		Grecsek, John J.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	159/13.4; 159/16.1; 159/6.1; 159/6.3; 34/136; 34/58; 510/334; 510/349; 510/357; 510/438; 510/446		Bianchi, Antonio et al.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5	427/221; 510/349; 510/443; 510/476; 510/479		Taha, Riad A.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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1	US 5100510	<input type="checkbox"/>
2	US 5080820	<input type="checkbox"/>
3	US 5024778	<input type="checkbox"/>
4	US 4894117	<input type="checkbox"/>
5	US 4853259	<input type="checkbox"/>

	U	1	Document ID	Issue Date	Pages	Title	Current OR
6	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 4853143 A	19890801		Bleach activator compositions containing an antioxidant	510/312
7	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 4828721 A	19890509	15	Particulate detergent compositions and manufacturing processes	510/308
8	<input type="checkbox"/>	<input type="checkbox"/>	US 4806261 A	19890221	13	Detersive article	510/296
9	<input type="checkbox"/>	<input type="checkbox"/>	US 4795584 A	19890103	9	Laundry compositions	510/277
10	<input type="checkbox"/>	<input type="checkbox"/>	US 4725455 A	19880216	8	Process for manufacturing particulate built nonionic synthetic organic detergent composition comprising polyacetal carboxylate and polyphosphate builders	510/443

	Current XRef	Retrieval Classif	Inventor	S	C	P	2	3	4	5
6	252/182.29; 252/186.25; 252/186.31; 252/186.38; 252/404; 510/306; 510/307; 510/313; 510/314; 510/376; 510/441; 510/442; 510/444		Hardy, Frederick E. et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	510/306; 510/307; 510/326; 510/334; 510/443; 510/444; 510/507		Böllier, Marc M. P. et al.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8	206/.5; 510/299; 510/300; 510/323; 510/324; 510/356; 510/471; 510/475		Ciallella, Loretta K. et al.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9	510/295; 510/297; 510/299; 510/300; 510/306; 510/504; 510/528		Ross, Anne M. et al.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10	427/220; 427/221; 510/320; 510/323; 510/324; 510/326; 510/349; 510/476		Taha, Riad A.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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6		<input type="checkbox"/>
7	US 4828721	<input type="checkbox"/>
8	US 4806261	<input type="checkbox"/>
9	US 4795584	<input type="checkbox"/>
10	US 4725455	<input type="checkbox"/>

	U	1	Document ID	Issue Date	Pages	Title	Current OR
11	<input type="checkbox"/>	<input type="checkbox"/>	US 4720399 A	19880119	8	Process for manufacture of particulate built nonionic synthetic organic detergent composition comprising polyacetal carboxylate and carbonate and bicarbonate builders	510/443
12	<input type="checkbox"/>	<input type="checkbox"/>	US 4666740 A	19870519	9	Phosphate-free concentrated particulate heavy duty laundry detergent	510/356
13	<input type="checkbox"/>	<input type="checkbox"/>	US 4666738 A	19870519	8	Method for making a phosphate containing concentrated heavy duty particulate laundry detergent	510/356
14	<input type="checkbox"/>	<input type="checkbox"/>	US 4664950 A	19870512	9	Concentrated heavy duty particulate laundry detergent	510/356
15	<input type="checkbox"/>	<input type="checkbox"/>	US 4664817 A	19870512	12	Free flowing high bulk density particulate detergent-softener	510/331
16	<input type="checkbox"/>	<input type="checkbox"/>	US 4663194 A	19870505	9	Phosphate-free concentrated particulate heavy duty laundry detergent	510/356

	Current XRef	Retrieval Classif	Inventor	S	C	P	2	3	4	5
11	427/220; 427/221; 510/320; 510/323; 510/324; 510/326; 510/349; 510/476		Taha, Riad A.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12	427/214; 427/215; 427/220; 510/324; 510/351; 510/441; 510/443		Wixon, Harold E.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13	427/214; 427/215; 427/220; 510/324; 510/441; 510/443		Wixon, Harold E.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14	252/383; 252/384; 427/214; 427/215; 427/220; 510/324; 510/351; 510/441; 510/443		Wixon, Harold E.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15	427/214; 427/215; 427/220; 510/438; 510/441; 510/504		Wixon, Harold E.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16	427/214; 427/215; 427/219; 427/220; 510/324; 510/351; 510/441; 510/443		Wixon, Harold E.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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11	US 4720399	<input type="checkbox"/>
12	US 4666740	<input type="checkbox"/>
13	US 4666738	<input type="checkbox"/>
14	US 4664950	<input type="checkbox"/>
15	US 4664817	<input type="checkbox"/>
16	US 4663194	<input type="checkbox"/>

	U	1	Document ID	Issue Date	Pages	Title	Current OR
17	<input type="checkbox"/>	<input type="checkbox"/>	US 4569773 A	19860211	12	Particulate fabric softening detergent composition	510/327
18	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 4472287 A	19840918		Particulate fabric softening composition, fabric softening detergent useful for hand washing laundry and process for manufacture and use thereof	510/292
19	<input type="checkbox"/>	<input type="checkbox"/>	US 4462804 A	19840731	13	High bulk density particulate heavy duty laundry detergent	8/137
20	<input type="checkbox"/>	<input type="checkbox"/>	US 4457854 A	19840703	12	High bulk density carbonate-zeolite built heavy duty nonionic laundry detergent	510/356
21	<input type="checkbox"/>	<input type="checkbox"/>	US 4411809 A	19831025	9	Concentrated heavy duty particulate laundry detergent	510/324
22	<input type="checkbox"/>	<input type="checkbox"/>	US 4399048 A	19830816	11	High bulk density particulate heavy duty laundry detergent	510/323
23	<input type="checkbox"/>	<input type="checkbox"/>	US 4368134 A	19830111	11	Method for retarding gelation of bicarbonate-carbonate-zeolite-silica te crutcher slurries	510/532

	Current XRef	Retrieval Classif	Inventor	S	C	P	2	3	4	5
17	510/292; 510/326; 510/334; 510/443; 510/444; 510/491; 510/507; 510/515		Ramachandran, Pallassana N. et al.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
18	510/294; 510/324; 510/334; 510/443; 510/444; 510/491; 510/515		Ramachandran, Pallassana N. et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
19	510/323; 510/324; 510/349; 510/443; 510/452; 510/532		Gangwisch, William J. et al.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
20	510/323; 510/443; 510/507		Gangwisch, William J. et al.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
21	252/179; 252/383; 252/385; 510/326; 510/349; 510/356; 510/441; 510/443		Wixon, Harold E.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
22	510/324; 510/326; 510/356; 510/443; 510/507		Gangwisch, William J. et al.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
23	252/179		Kaeser, James A.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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17	US 4569773	<input type="checkbox"/>
18		<input type="checkbox"/>
19	US 4462804	<input type="checkbox"/>
20	US 4457854	<input type="checkbox"/>
21	US 4411809	<input type="checkbox"/>
22	US 4399048	<input type="checkbox"/>
23	US 4368134	<input type="checkbox"/>

	U	1	Document ID	Issue Date	Pages	Title	Current OR
24	<input type="checkbox"/>	<input type="checkbox"/>	US 4347152 A	19820831	11	Phosphate-free concentrated particulate heavy duty laundry detergent	510/356
25	<input type="checkbox"/>	<input type="checkbox"/>	US 4339335 A	19820713	13	Free flowing high bulk density particulate detergent-softener	510/331
26	<input type="checkbox"/>	<input type="checkbox"/>	US 4264464 A	19810428	13	High bulk density particulate heavy duty laundry detergent	510/323
27	<input type="checkbox"/>	<input type="checkbox"/>	US 4260651 A	19810407	11	Phosphate-free concentrated particulate heavy duty laundry detergent	510/356
28	<input type="checkbox"/>	<input type="checkbox"/>	US 4248911 A	19810203	9	Concentrated heavy duty particulate laundry detergent	510/356
29	<input type="checkbox"/>	<input type="checkbox"/>	US 3971726 A	19760727	7	Process for lowering the bulk density of alkali making built synthetic detergent compositions	510/443

	Current XRef	Retrieval Classif	Inventor	S	C	P	2	3	4	5
24	23/313R; 252/179; 264/117; 510/349; 510/351; 510/441; 510/444		Wixon, Harold E.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
25	252/179; 510/324; 510/326; 510/441; 510/504		Wixon, Harold E.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
26	252/179; 427/220; 510/324; 510/326; 510/349; 510/356; 510/443		Gangwisch, William J. et al.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
27	23/313AS; 23/313R; 252/179; 252/383; 252/384; 252/385; 427/214; 427/215; 427/219; 427/220; 510/349; 510/441; 510/443; 510/507		Wixon, Harold E.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
28	427/214; 427/215; 427/220; 427/419.2; 510/324; 510/326; 510/349; 510/441; 510/443		Wixon, Harold E.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
29	510/454; 510/531		Smith, Jr., Frank R. et al.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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24	US 4347152	<input type="checkbox"/>
25	US 4339335	<input type="checkbox"/>
26	US 4264464	<input type="checkbox"/>
27	US 4260651	<input type="checkbox"/>
28	US 4248911	<input type="checkbox"/>
29	US 3971726	<input type="checkbox"/>

	U	1	Document ID	Issue Date	Pages	Title	Current OR
30	<input type="checkbox"/>	<input type="checkbox"/>	US 3962149 A	19760608	9	Non-phosphate spray dried detergents containing dicarboxylic acid salts	510/283
31	<input type="checkbox"/>	<input type="checkbox"/>	US 3959445 A	19760525	11	Highly absorbent, low bulk density sodium silicate	423/332
32	<input type="checkbox"/>	<input type="checkbox"/>	DE 3684085 G	19870422	9	Low phosphate granular detergent compsn. prepn. - including post-dosing spray-dried polyphosphate-contg. base powder with sodium sulphate	
33	<input type="checkbox"/>	<input type="checkbox"/>	US 4457854 A	19840703	12	Free flowing, phosphate-free heavy duty laundry detergent - comprising zeolite, carbonate, silicate base beads and absorbed nonionic detergent	

	Current XRef	Retrieval Classif	Inventor	S	C	P	2	3	4	5
30	510/320; 510/351; 510/361; 510/443		Chirash, William et al.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
31			Jayawant, Madhusudan D. et al.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
32			APPEL, P W et al.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
33			GANGWISCH, W J et al.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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30	US 3962149	<input type="checkbox"/>
31	US 3959445	<input type="checkbox"/>
32	US 4923628	<input type="checkbox"/>
33	US 4457854	<input type="checkbox"/>

	U	1	Document ID	Issue Date	Pages	Title	Current OR
1	<input type="checkbox"/>	<input type="checkbox"/>	US 5080820 A	19920114	10	Spray dried base beads for detergent compositions containing zeolite, bentonite and polyphosphate	510/443
2	<input type="checkbox"/>	<input type="checkbox"/>	US 5024778 A	19910618	9	Spray dried base beads for detergent compositions containing zeolite, bentonite and polyphosphate	510/349
3	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 4853143 A	19890801		Bleach activator compositions containing an antioxidant	510/312
4	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 4828721 A	19890509	15	Particulate detergent compositions and manufacturing processes	510/308
5	<input type="checkbox"/>	<input type="checkbox"/>	US 4806261 A	19890221	13	Detersive article	510/296
6	<input type="checkbox"/>	<input type="checkbox"/>	US 4795584 A	19890103	9	Laundry compositions	510/277

	Current XRef	Retrieval Classif	Inventor	S	C	P	2	3	4	5
1	252/179; 510/323; 510/392; 510/438; 510/532		Grecsek, John J.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	252/179; 510/323; 510/443; 510/532; 510/533		Grecsek, John J.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	252/182.29; 252/186.25; 252/186.31; 252/186.38; 252/404; 510/306; 510/307; 510/313; 510/314; 510/376; 510/441; 510/442; 510/444		Hardy, Frederick E. et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	510/306; 510/307; 510/326; 510/334; 510/443; 510/444; 510/507		Bollier, Marc M. P. et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5	206/.5; 510/299; 510/300; 510/323; 510/324; 510/356; 510/471; 510/475		Ciallella, Loretta K. et al.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6	510/295; 510/297; 510/299; 510/300; 510/306; 510/504; 510/528		Ross, Anne M. et al.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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1	US 5080820	<input type="checkbox"/>
2	US 5024778	<input type="checkbox"/>
3		<input type="checkbox"/>
4	US 4828721	<input type="checkbox"/>
5	US 4806261	<input type="checkbox"/>
6	US 4795584	<input type="checkbox"/>

	U	1	Document ID	Issue Date	Pages	Title	Current OR
7	<input type="checkbox"/>	<input type="checkbox"/>	US 4666740 A	19870519	9	Phosphate-free concentrated particulate heavy duty laundry detergent	510/356
8	<input type="checkbox"/>	<input type="checkbox"/>	US 4666738 A	19870519	8	Method for making a phosphate containing concentrated heavy duty particulate laundry detergent	510/356
9	<input type="checkbox"/>	<input type="checkbox"/>	US 4664950 A	19870512	9	Concentrated heavy duty particulate laundry detergent	510/356
10	<input type="checkbox"/>	<input type="checkbox"/>	US 4664817 A	19870512	12	Free flowing high bulk density particulate detergent-softener	510/331
11	<input type="checkbox"/>	<input type="checkbox"/>	US 4663194 A	19870505	9	Phosphate-free concentrated particulate heavy duty laundry detergent	510/356
12	<input type="checkbox"/>	<input type="checkbox"/>	US 4462804 A	19840731	13	High bulk density particulate heavy duty laundry detergent	8/137
13	<input type="checkbox"/>	<input type="checkbox"/>	US 4457854 A	19840703	12	High bulk density carbonate-zeolite built heavy duty nonionic laundry detergent	510/356

	Current XRef	Retrieval Classif	Inventor	S	C	P	2	3	4	5
7	427/214; 427/215; 427/220; 510/324; 510/351; 510/441; 510/443		Wixon, Harold E.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8	427/214; 427/215; 427/220; 510/324; 510/441; 510/443		Wixon, Harold E.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9	252/383; 252/384; 427/214; 427/215; 427/220; 510/324; 510/351; 510/441; 510/443		Wixon, Harold E.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10	427/214; 427/215; 427/220; 510/438; 510/441; 510/504		Wixon, Harold E.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11	427/214; 427/215; 427/219; 427/220; 510/324; 510/351; 510/441; 510/443		Wixon, Harold E.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12	510/323; 510/324; 510/349; 510/443; 510/452; 510/532		Gangwisch, William J. et al.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13	510/323; 510/443; 510/507		Gangwisch, William J. et al.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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7	US 4666740	<input type="checkbox"/>
8	US 4666738	<input type="checkbox"/>
9	US 4664950	<input type="checkbox"/>
10	US 4664817	<input type="checkbox"/>
11	US 4663194	<input type="checkbox"/>
12	US 4462804	<input type="checkbox"/>
13	US 4457854	<input type="checkbox"/>

	U	1	Document ID	Issue Date	Pages	Title	Current OR
14	<input type="checkbox"/>	<input type="checkbox"/>	US 4411809 A	19831025	9	Concentrated heavy duty particulate laundry detergent	510/324
15	<input type="checkbox"/>	<input type="checkbox"/>	US 4399048 A	19830816	11	High bulk density particulate heavy duty laundry detergent	510/323
16	<input type="checkbox"/>	<input type="checkbox"/>	US 4368134 A	19830111	11	Method for retarding gelation of bicarbonate-carbonate-zeolite-silicate crutcher slurries	510/532
17	<input type="checkbox"/>	<input type="checkbox"/>	US 4347152 A	19820831	11	Phosphate-free concentrated particulate heavy duty laundry detergent	510/356
18	<input type="checkbox"/>	<input type="checkbox"/>	US 4339335 A	19820713	13	Free flowing high bulk density particulate detergent-softener	510/331
19	<input type="checkbox"/>	<input type="checkbox"/>	US 4264464 A	19810428	13	High bulk density particulate heavy duty laundry detergent	510/323

	Current XRef	Retrieval Classif	Inventor	S	C	P	2	3	4	5
14	252/179; 252/383; 252/385; 510/326; 510/349; 510/356; 510/441; 510/443		Wixon, Harold E.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15	510/324; 510/326; 510/356; 510/443; 510/507		Gangwisch, William J. et al.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16	252/179		Kaeser, James A.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17	23/313R; 252/179; 264/117; 510/349; 510/351; 510/441; 510/444		Wixon, Harold E.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
18	252/179; 510/324; 510/326; 510/441; 510/504		Wixon, Harold E.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
19	252/179; 427/220; 510/324; 510/326; 510/349; 510/356; 510/443		Gangwisch, William J. et al.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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14	US 4411809	<input type="checkbox"/>
15	US 4399048	<input type="checkbox"/>
16	US 4368134	<input type="checkbox"/>
17	US 4347152	<input type="checkbox"/>
18	US 4339335	<input type="checkbox"/>
19	US 4264464	<input type="checkbox"/>

	U	1	Document ID	Issue Date	Pages	Title	Current OR
20	<input type="checkbox"/>	<input type="checkbox"/>	US 4260651 A	19810407	11	Phosphate-free concentrated particulate heavy duty laundry detergent	510/356
21	<input type="checkbox"/>	<input type="checkbox"/>	US 4248911 A	19810203	9	Concentrated heavy duty particulate laundry detergent	510/356
22	<input type="checkbox"/>	<input type="checkbox"/>	US 3971726 A	19760727	7	Process for lowering the bulk density of alkali making built synthetic detergent compositions	510/443
23	<input type="checkbox"/>	<input type="checkbox"/>	US 3962149 A	19760608	9	Non-phosphate spray dried detergents containing dicarboxylic acid salts	510/283
24	<input type="checkbox"/>	<input type="checkbox"/>	DE 3684085 G	19870422	9	Low phosphate granular detergent compsn. prepn. - including post-dosing spray-dried poly:phosphate-contg. base powder with sodium sulphate	
25	<input type="checkbox"/>	<input type="checkbox"/>	US 4457854 A	19840703	12	Free flowing, phosphate-free heavy duty laundry detergent - comprising zeolite, carbonate, silicate base beads and absorbed nonionic detergent	

	Current XRef	Retrieval Classif	Inventor	S	C	P	2	3	4	5
20	23/313AS; 23/313R; 252/179; 252/383; 252/384; 252/385; 427/214; 427/215; 427/219; 427/220; 510/349; 510/441; 510/443; 510/507		Wixon, Harold E.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
21	427/214; 427/215; 427/220; 427/419.2; 510/324; 510/326; 510/349; 510/441; 510/443		Wixon, Harold E.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
22	510/454; 510/531		Smith, Jr., Frank R. et al.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
23	510/320; 510/351; 510/361; 510/443		Chirash, William et al.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
24			APPEL, P W et al.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
25			GANGWISCH, W J et al.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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20	US 4260651	<input type="checkbox"/>
21	US 4248911	<input type="checkbox"/>
22	US 3971726	<input type="checkbox"/>
23	US 3962149	<input type="checkbox"/>
24	US 4923628	<input type="checkbox"/>
25	US 4457854	<input type="checkbox"/>